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WELDING ARC RADIATION USED THERAPEUTICALLY IN USSR

An electrical welding worker, who had suffered from lupus for 10 years, found that the radiation emitted by his welding arc seemed to have a beneficial effect in alleviating the condition from which he suffered. He began to expose his face purposely to the radiation, and succeeded in curing the infection, which previously could not be cured by any other means. Dr I. P. Fedorov became interested in this case and carried out an investigation on the subject. In connection with this investigation, it was established that the therapeutic effect was due to the rays emitted by the glowing arc during the welding of a definite alloy consisting of several elements. Fedorov found that the radiation in question not only has a bactericidal effect, but also stimulates the flowering of plants in winter and improves the physical condition of animals. Its action on humans is not accompanied by any harmful effects.

Clinical tests showed that the rays in question have an astonishing effect in the therapy of lupus: red lupus (a disease which was almost incurable up to now) disappears within 1½ to 2 months. It was also found that the new radiation treatment cures spontaneous gangrene. In 1952, 60 cases of gangrene were cured by this method. When the new method was applied, no amputation was necessary in even a single case of gangrene.

In Fedorov's opinion, the therapeutic effect of the rays in question is due to the fact that positively charged ions are projected from the arc and restore the normal charge in the tissue cells affected by the disease. According to the data of some investigators, the ionic equilibrium in diseased cells is disturbed, so that there is a lack of positive charges in them. Fedorov also thinks that particles of electrode material enter the diseased organism and exert a therapeutic effect. The elements contained in the electrode material are known to be pharmacologically active.

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